

Wings & Things



**ROYAL
AERONAUTICAL
SOCIETY**

Welcome to the November 2011 newsletter for the Wellington Branch of the RAeS.

Last Branch Meeting – 21 September 2011

If you were thinking you missed the Branch meeting for October then don't worry the Branch meeting was replaced by the Division Symposium – **From the Compass to the Flight Path** on Friday 28 October.

The Symposium was well attended by RAeS members, industry and public.

After the welcome by Mr **Gerard Robertson**, RAeS Division President the opening address was given by Mr **Martin Matthews**, Secretary of Transport, New Zealand

Infrastructure followed with Mr **Kevin Ward** presenting covering Airports Looking Forward and Mr **Ed Sims**, CEO Airways outlining National Airspace Policy.

A perspective on training was given by Mrs **Jignasha Patel** of Air New Zealand Training Academy.

Prior to lunch, sponsored by Massey University, Group Captain **Andy Woods**, Chief Engineer – Airworthiness provided a military perspective on current RNZAF projects and "The Way Ahead"

The Aviation Industry viewpoint was presented by Mr **John Jones** on Workforce & Foreign Opportunities (Offshore & Onshore)

Mr **Ross Clapcott**, Chief Advisor at Ministry of Economic Development, reviewed our position in relation to international air links.

The Regulator, CAA's viewpoint was presented by Mr **Nigel Gould**, Chairman of CAA New Zealand Board. The Way Forward, including Safety Management Systems (SMS) & adapting to new technology.

Gerard Robertson summarised the day, thanking all the participants and highlighting the RAeS sponsored symposium had given all industry players the opportunity to independently present their viewpoint.

The September Branch meeting was **Hugh McCarroll's** latest work, '**Journey into Space**'.

Hugh's latest work, 'Journey into Space', was the first part of a series of three. Hugh presentation covered the "interesting bits" from the early development of rocketry by the Chinese, the visions of writers such as Jules Verne and HG Wells, the developments rockets by pioneers, Hermann Oberth, Dr Werner von Braun, Dr Robert Goddard, Sergei Korolev and others, the first successful launch of the Russian satellite Sputnik through to the race by the USA to get their own satellites into space.

Our thanks to Hugh and we look forward to Hugh's second of three lectures 'The Moon Or Bust' in due course.



Operator	Soviet Union
Major contractors	OKB-1 , Soviet Ministry of Radiotechnical Industry
Mission type	Atmospheric studies
Satellite of	Earth
Orbits	1,440
Launch date	19:28:34, October 4, 1957 (UTC) (22:28:34 MSK)
Launch vehicle	Sputnik rocket
Mission duration	3 months
Orbital decay	4 January 1958
COSPAR ID	1957-001B
Homepage	NASA NSSDC Master Catalog
Mass	83.6 kg (184.3 lb)
	Orbital elements
Semimajor axis	6,955.2 km (4,321.8 mi)
Eccentricity	0.05201
Inclination	65.1°
Apoapsis	7,310 km (4,540 mi) from centr km (583 mi) from surface
Periapsis	6,586 km (4,092 mi) from centr km (134 mi) from surface
Orbital period	96.2 minutes

Sputnik image and details from Wikipedia

For the month of November

Wellington Aero Club 7:30pm – Wednesday 16 November

246 Coutts Street, Rongotai, Wellington Airport

UK Air Defence - A Personal Perspective by Steve Smyth

Steve is currently Programme Manager Air Introduction Into Service at New Zealand Defence Force but it is his past that he draws on for this personal perspective. Educated at the University of Wales, Swansea and Royal Australian Air Force Staff College

Flight Commander Royal Air Force 1987 – 1989. Steve had a key leadership role on a front line fighter squadron during the Cold War, policing British airspace and maintaining the integrity of the UK Air Defence Region. Responsible for the successful integration of British systems on to an imported US fighter, working closely with the Ferranti company to deliver supporting software solutions and BAES to integrate guided weapons. Awarded HM the Queen's Commendation for this work.

Wing Commander Royal Air Force 1991 – 2002. Commander of a Fighter Squadron, Operations Director International Military/Civilian Airport and Staff Officer Air Warfare Centre and Defence EW Centre

Group Captain Royal Air Force 2002 – 2006. Head of Operational Test & Evaluation Managing 500 people in UK & US in evaluating cutting edge air and space defence technology. Responsible for supervision and flying standards of operational evaluation units including Typhoon, Harrier GR9 and Tornado GR4. Managing Director of Military/Civilian Airport

Steve's personal perspective will cover 1908 The Beginning, First World War Air Defence, Inter War Years, Second World War, Post War Technology Breakthroughs, 50-60s, 75-90 The Phantom Years and my introduction to Bear Wrestling, 90-2010 Tornado F3 and AWACS, Today & Future of UK AD

This promises to be a very informative presentation so bring your friends, neighbours and colleagues and join us for a very interesting evening.

Future Events

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| 11 November | Walsh Centenary Dinner and Awards – Auckland
Black Tie dinner to commemorate the achievements of the Walsh Brothers and GAPAN, RAeS and NZATL Awards to recognise the achievements of current aviation contributors. |
| 12 November | Visit – TVAL Anniversary Day Airshow , Hood Aerodrome |
| 16 November | Branch Meeting – UK Air Defence – a personal perspective
Steve Smyth |
| 7 December | AGM & Dinner – James Cook Hotel - 6:30pm
Members are requested to RSVP to the Secretary for the dinner after the AGM by Friday 1 December |
| 15 February | Branch Meeting – A light hearted look at the introduction of the A109 into service.
Peter Johnson |
| 21 March | Branch Meeting - Illustrated talk about UAV's designed and built in Wellington for aerial photography by Kim Attwell, Photo Higher |
| 6-9 April (Easter) | Warbirds over Wanaka |
| 16 May | Branch Meeting - Farnborough Part 2 - David Saunders |
| 20 June | Branch Meeting - Human Factors in Air Accidents - Alan Baker |

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